

Native *Bacillus stearothermophilus* Phosphoglucose isomerase

Cat. No. DIA-162

Lot. No. (See product label)

Introduction

Description

Glucose-6-phosphate isomerase is an enzyme that catalyzes the conversion of glucose-6-phosphate into fructose 6-phosphate in the second step of glycolysis. The human variant of this enzyme is encoded by the GPI gene.

Synonyms

Glucose-6-phosphate isomerase; phosphoglucose isomerase; phosphohexose isomerase; EC 5.3.1.9; phosphohexomutase; oxoisomerase; hexosephosphate isomerase; phosphosaccharomutase; phosphoglucoisomerase; phosphohexoisomerase; glucose phosphate isomerase; hexose phosphate isomerase; D-glucose-6-phosphate ketol-isomerase

Product Information

Source

Bacillus stearothermophilus

Appearance

White powder

Form

Freeze dried powder

EC Number

EC 5.3.1.9

CAS No.

9001-41-6

Activity

> 250 U/mg

Contaminants

NADPH oxidase < 0.01%; ATPase < 0.005%

pH Stability

6.5-10.5 (37°C, 60 mins)

Optimum pH

9.5

Thermal stability

Stable at 60°C and below (pH 7.5, 15 mins)

Storage and Shipping Information

Storage

Store in tightly closed containers, desiccated, protected from light, at -20°C.